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Chief, Internal Projects Section

25 February 1957

Chief, External Projects Section

File

Test of Ground Communications System

Project 2630

1. A joint EP-Lab project to evaluate a VLF ground communications set will be initiated during March. The [redacted] developed the equipment described in Attachment A under a TSS contract for a secure communications system, but its performance has not been up to expectations.

50X1

2. We feel, however, that sufficient information can be gained from a controlled test of this equipment to determine the feasibility and security of "ground" communications. The low order of performance previously noted may be due in part to the wrap-around ground connection prescribed by the contractor (Figure 3, Appendix C, Attachment A).

3. In preparation for the March test, it is requested that eight sturdy ground stakes, with heavy ground leads permanently connected, be fabricated by your Mechanical Fabrication Unit. A description (Attachment B) of a self-watering ground stake is suggested as a design possibility.

50X1

Attachments:

Attachment A  
Attachment B

APPROVED:

DESIGN	1	REV	13/3/90	BY	37169
ORIG DRAW	33	QTY	56	REV	02
ORIG CLASS	S	REV CLASS	1	REV	C
JUST	22	NEXT REV	2010	AUT	10-2

Chief, Research and Development Branch

OC-E/R&amp;D-EP/WJS:wlj

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